

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 01/13/2017 10:11 AM
Cytometer Baseline: 07/29/2016 03:45 PM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads, **Part #:** 910723
Lot ID: 25720, **Expiration Date:** 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124928	-1	1.58	124787	1.50
Blue	F	SSC	125000	123982	-1	2.51	124315	2.28
Blue	E	FITC	22946	22232	-4	2.35	982	9.78
Blue	D	PE	28770	28136	-3	1.96	1009	9.13
Blue	B	PerCP-Cy5-5	51099	50408	-2	3.26	1443	16.31
Blue	A	PE-Cy7	42312	41720	-2	4.91	645	34.33
Red	C	APC	52169	51142	-2	2.82	2968	9.50
Red	A	APC-Cy7	56705	55693	-2	2.87	1161	11.45
Violet	B	V450	14708	13993	-5	5.71	667	9.45
Violet	A	V500	58608	56569	-4	5.57	2495	7.20

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19339	5.25	600	2	N/A	N/A	Pass
Blue	F	SSC	61575	1.50	532	14	N/A	N/A	Pass
Blue	E	FITC	113	36.20	536	5	0.0230	119	Pass
Blue	D	PE	222	27.36	532	6	0.1901	259	Pass
Blue	B	PerCP-Cy5-5	231	42.36	630	8	0.0109	80	Pass
Blue	A	PE-Cy7	72	113.22	678	7	0.0127	16	Pass
Red	C	APC	346	27.58	594	4	0.0200	52	Pass
Red	A	APC-Cy7	128	41.04	580	4	0.0052	1653	Pass
Violet	B	V450	81	41.93	467	8	0.0592	2502	Pass
Violet	A	V500	183	23.83	496	8	0.0201	1639	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.00	-30.87	0.82
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.32
Red	15.62	13.27 - 19.91	N/A	N/A	31.24	31.43	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9861

Fluidics

FACSFlow Pressure: 4.00
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments